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(1) hybridizing an RNA having one or plural abundant expressed genes with probes, said abundant expressed genes each having a known sequence, said probes hybridizing specifically with the known sequences of said abundant expressed genes;

(2) removing said abundant expressed genes hybridized with the probes; and

(3) recovering rare expressed genes not hybridized with the probes.

--24. A method for preparation of RNA sample including rare expressed genes, comprising the steps of:

(1) hybridizing an RNA having one or plural abundant expressed genes with probes, said abundant expressed genes;

(2) digesting one or plural sequence regions of said abundant expressed genes by Ribonuclease H, the probes being specifically hybridized to the sequence regions;

(3) inactivating Ribonuclease H in a reaction solution in the step (2); and

(4) removing the probes with DNase from a reaction solution in the step (3);

wherein said abundant expressed genes hybridized with the probes are removed and rare expressed genes not hybridized with the probes are recovered.

--25. A method for preparation of cDNA sample including rare expressed genes, comprising the steps of:

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(1) hybridizing mRNAs each having one or plural abundant expressed genes with probes, said abundant expressed genes each having a known sequence, said probes hybridizing specifically with the known sequences of said abundant expressed genes;

(2) digesting one or plural sequence regions of said abundant expressed genes by Ribonuclease H, the probes being specifically hybridized to the sequence regions;

(3) inactivating Ribonuclease H in a reaction solution in the step (2);

(4) removing the probes with DNase from a reaction solution in the step (3);

(5) performing cDNA synthesis reaction using said abundant expressed genes and rare expressed genes not hybridized with the probes as template, and using an oligo dT as primer, in a solution in which the probes are removed; and

(6) removing mRNAs by treating a solution in the step (5) with RNase;

wherein cDNAs originating from said rare expressed genes and not containing cDNAs originating from said abundant expressed genes are generated.

--26. A method for preparation of cDNA sample preparation including rare expressed genes, comprising the steps of:

(1) hybridizing mRNAs each having one or plural abundant expressed genes with probes, said abundant expressed

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Figure 1 displays 12 histograms, labeled x_1 through x_{12} , showing the distribution of the number of non-zero elements in the vector x_k . The x-axis represents the number of non-zero elements (0 to 10), and the y-axis represents the count (0 to 10). The distributions are roughly bell-shaped and centered around 5, with the peak count increasing from 10 for x_1 to 12 for x_{12} .

wherein cDNAs originating from said rare expressed genes and not containing cDNAs originating from said abundant expressed genes are generated.

(1) adding concurrently an oligo dT as primer and probes hybridizing with mRNAs each having one or plural abundant expressed genes, into a solution containing mRNA, and allowing a reaction condition to meet hybridization condition under which the probes hybridize with mRNAs, and then performing cDNA synthesis reaction using the primer and using said abundant expressed genes and rare expressed genes not hybridized with the probes as template, wherein said abundant expressed genes have a known sequence, said probes hybridize specifically with the known sequences in the vicinity of 3'